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	Compugen Ltd.				
Scoring table:	BLOSUM62				
Database:	gapop 10.0 , Gapext 0.5				
Post-processing:	Minimum Match 0%				
	Maximum DB seq length: 200000000				
	Listing first 45 summaries				
Database :	SPTREMBL_21:*				
1:	sp_archae:*				
2:	sp_bacteria:*				
3:	sp_fungi:*				
4:	sp_human:*				
5:	sp_invertebrate:*				
6:	sp_mammal:*				
7:	sp_mhc:*				
8:	sp_organelle:*				
9:	sp_phage:*				
10:	sp_plant:*				
11:	sp_rabbit:*				
12:	sp_virus:*				
13:	sp_vertebrate:*				
14:	sp_unclassified:*				
15:	sp_rvirus:*				
16:	sp_bacteriop:*				
17:	sp_archeap:*				
Pred.	No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.				
SUMMARIES					
Result No.	Score	Query Match	Length	DB ID	Description
1	1042	95.0	207	13	091950
2	583	53.1	210	13	057341 gallus gallus
3	52.7	208	13	090xq4	057341 brachydanio
4	57.8	52.7	212	13	090xq4 ambystoma m
5	57.6	52.7	210	13	042278 ambystoma m
6	57.4	52.3	204	13	042278 brachydanio
7	55.6	50.7	200	13	090696 gallus gallus
8	52.0	47.4	182	13	079925 xenopus lae
9	40.6	37.0	181	13	090788 oryzias lat
10	29.2	82	6	062682	062682 canis familiaris
11	24.4	86	13	P79685	P79685 ambystoma m
12	22.2	86	13	090xq0	090xq0 ambystoma m
13	19.7	18.0	350	5	Q95VKB ciona savignyi
14	18.1	16.5	183	13	Q9PV11 xenopus lae
15	16.1	186	6	Q95147	Q95147 mustela visonis
16	15.8	185	11	Q9ERN5	Q9ERN5 rattus norvegicus
ALIGNMENTS					
RESULT 1					
ID	Q91950	PRELIMINARY:	PRT:	207 AA.	
AC	Q91950;				
DT	01-OCT-2000	(TREMBREL_15, Created)			
DT	01-OCT-2000	(TREMBREL_15, Last sequence update)			
DT	01-JUN-2002	(TREMBREL_21, Last annotation update)			
DE	FGR-18.				
GN	FGF-18.				
OS	Gallus gallus (Chicken)				
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae; Gallus.				
OC	NCBI_TAXID=9031;				
RN	[1]				
RP	SEQUENCE FROM N.A.				
RX	MEDLINE-20363156; Pubmed=10906450;				
RA	Ohuchi H., Kimura S., Watamoto M., Itoh N.;				
RT	"Involvement of fibroblast growth factor (FGF)18-FGF8 signaling in specification of left-right asymmetry and brain and limb development of the chick embryo.", Mech. Dev. 93:55-66(2000).				
RT	Mech. Dev. 93:55-66(2000).				
DR	EMBL: AB030229; BA95957.1; -.				
DR	HSSP; P31371; 1G82.				
DR	InterPro; IPR022209; HB/F_growthfact.				
DR	InterPro; IPR02348; IIL1_HBGF.				
DR	Pfam; PF00167; FGF_1.				
DR	PRINTS; PR00262; IIL1HBGF.				
DR	PRODOM; PD000831; HB/F_growthfact; 1.				
DR	SMART; SM00442; FGF_1.				
DR	PROSITE; PS00247; HBGF_FGF; UNKNOWN_1.				
DR	SEQUENCE_207_AA; 2452 MW; 1DB6CB8P2F266CC1 CRC64;				
DR	Best Local Similarity 95.0%; Score 1042; DB 13; Length 207; Matches 195; Conservative 8; Mismatches 4; Indels 0; Gaps 0;				
QV	1 MYAPSACTCLCHFLICFQYQVLAENVDERIHNQTRADDYRSKQLRLYQIMSR 60				

Db 1 MYSLLSACTCICLHLFCFOQMFVAEENDRIFHENVQTRARDVSRKQRLYOLYSR 60
 Qy 61 TSGKHKIQVLGRRTSARGEDGDIYQQLVETDFFGSQVRIGKGETEFYLICMNRKGKLVGPK 120
 Db 61 TSGKHKIQVLGRRTSARGEDGDIYQQLVETDFFGSQVRIGKGETEFYLICMNRKGKLVGPK 120
 Qy 121 DGTSKECVFIKEVLENNYTAAMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 180
 Db 121 DGTSKECVFIKEVLENNYTAAMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 180
 Qy 181 GQPELQKPKFVTVKRSRRPRTPH 207
 Db 181 GQPELQKPKFVTVKRSRRPRTPH 207

RESULT 2
 057341 PRELIMINARY; PRT; 210 AA.
 ID 057341
 AC 057341; 057341; PRELIMINARY; PRT; 210 AA.
 DT 01-JUN-1998 (TREMBLrel. 06, Created)
 DT 01-JUN-1998 (TREMBLrel. 06, Last sequence update)
 DE fibroblast growth factor 8.
 GN FG8 OR FGF-8 OR FGFB.
 OS Brachydanio rerio (Zebrafish) (zebra danio).
 OC Brachydanio: Metacara; Chordata; Vertebrata; Euteleostomi;
 OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
 OC Cyprinidae; Danio.
 RN [1] SEQUENCE FROM N.A.
 RP MEDLINE=98043861; Pubmed=9334274;
 RX Fuerthauer M., Thisse C., Thisse B.;
 RT "A role for FGF-8 in the dorsoventral patterning of the zebrafish
 gastrula.";
 RL Development; 124:4253-4264(1997).
 RN [2] SEQUENCE FROM N.A.
 RP MEDLINE=98074197; Pubmed=9609821;
 RA Reifers F., Boehli H., Walsh E.C., Crossley P.H., Stanier D.Y.R.,
 RA Brand M.;
 RT "Fgf8 is mutated in zebrafish acerebellar (ace) mutants and is
 required for maintenance of midbrain-hindbrain boundary development
 and somitogenesis.";
 RT Development; 125:2381-2395(1998).
 DR EMBL; AF034264; AAC60303; 1; -.
 DR HSSP; P31371; 1682.
 DR ZFIN; ZDB-GENE-990415-72; fgf8.
 DR InterPro; IPR002209; HB/F-growthfact.
 DR Pfam; PF00167; FGF; 1.
 DR PRODom; PD000831; HB/F-growthfact; 1.
 DR SMART; SM00442; FGF; 1.
 DR PROSITE; PS00247; HSGF_FGF; UNKNOWN_1.
 SQ SEQUENCE 210 AA; 24697 MW; 9D9C35B8E18A435A CRC64;
 Query Match 53.1%; Score 583; DB 13; Length 210;
 Best Local Similarity 55.9%; Pred. No. 1.7e-45;
 Matches 113; Conservative 33; Mismatches 48; Indels 8; Gaps 4;
 AC 5 PRACTICLHLFCFOQVLVAEENDRIFHENVQTRARDVSRKQRLYOLYSRTSG 64
 Db 5 PRACTICLHLFCFOQVLVAEENDRIFHENVQTRARDVSRKQRLYOLYSRTSG 64
 Qy 65 HIQVIL-GRTTSARGEDGDIYQQLVETDFFGSQVRIGKGETEFYLICMNRKGKLVGPK 123
 Db 65 HIQVIL-GRTTSARGEDGDIYQQLVETDFFGSQVRIGKGETEFYLICMNRKGKLVGPK 123
 Qy 66 HVQVLANKKINAMAEQDGVHLKLVLEIDTGSVRIGKGETEFYLICMNRKGKLVGPK 123
 Db 66 HVQVLANKKINAMAEQDGVHLKLVLEIDTGSVRIGKGETEFYLICMNRKGKLVGPK 123
 Qy 124 SKEVYPIEKYLENNYTAAMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 182
 Db 124 GKDCLFTEVILENNYTAQMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 183
 Qy 183 PELOPKPKFVTVKRSRRPRTPH 207

RESULT 3
 090X04 PRELIMINARY; PRT; 208 AA.
 ID 090X04
 AC 090X04; 090X04; PRELIMINARY; PRT; 208 AA.
 DT 01-DEC-2001 (TREMBLrel. 19, Created)
 DT 01-DEC-2001 (TREMBLrel. 19, Last sequence update)
 DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
 DE fibroblast growth factor 8 (Fragment).
 OS *Ambystoma mexicanum* (Axolotl).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
 OC Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
 OC Ambystoma.
 RN [1] NCBI_TaxID=8296;
 RP SEQUENCE FROM N.A.
 RX MEDLINE=21139472; Pubmed=11555861;
 RA Christensen R.N., Weinstein M., Tassava R.A.;
 RT "Fibroblast growth factors in regenerating limbs of *Ambystoma*: Cloning and semi-quantitative RT-PCR expression studies.";
 RL J. Exp. Zool. 270:522-540(2001).
 DR EMBL; AF360985; AAU16958; 1; -.
 DR InterPro; IPR002209; HB/F-growthfact.
 DR Pfam; PF00167; FGF; 1.
 DR PRODom; PD000831; HB/F-growthfact; 1.
 DR PROSITE; PS00247; HSGF_FGF; UNKNOWN_1.
 FT NON_TER 1
 FT NON_TER 208 208 MW; 9D32A77442AB070E CRC64;
 SQ SEQUENCE 208 AA; 23977 MW; 9D32A77442AB070E CRC64;
 Query Match 52.7%; Score 578; DB 13; Length 208;
 Best Local Similarity 55.4%; Pred. No. 4.9e-45;
 Matches 112; Conservative 34; Mismatches 50; Indels 6; Gaps 3;
 AC 4 APSACTCLHLFCFOQVLVAEENDRIFHENVQTRARDVSRKQRLYOLYSRTSG 63
 Db 7 ASSVVGYLHLFLHFLVCMQAKTV-OSPPNFTQHVBQSOVSYDQLSRRLLRHYOLYSRPG 65
 Qy 64 KHIQVIG-RRSARGEDGDIYQQLVETDFFGSQVRIGKGETEFYLICMNRKGKLVGPDK 122
 Db 66 KHVQVLQKINAMADGDSHAKLIVETDFFGSQVRIGKGETEFYLICMNRKGKLVGPDK 125
 Qy 123 TSKECVFIKEVLENNYTAAMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 181
 Db 126 RGKDCVFSVLENNYTAQMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 185
 Qy 182 --QPELQKPKFVTVKRSRR 200
 Db 186 QTTEPHRRFFVNVYPENR 207

RESULT 4
 09DE51 PRELIMINARY; PRT; 212 AA.
 ID 09DE51
 AC 09DE51; 09DE51; PRELIMINARY; PRT; 212 AA.
 DT 01-MAR-2001 (TREMBLrel. 16, Created)
 DT 01-MAR-2001 (TREMBLrel. 16, Last sequence update)
 DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
 DE fibroblast growth factor 8.
 GN FGF-8.
 OS Ambystoma mexicanum (Axolotl).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
 OC Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
 OC Ambystoma.
 RN NCBI_TaxID=8296;
 Qy 124 SKEVYPIEKYLENNYTAAMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 182
 Db 124 GKDCLFTEVILENNYTAQMSAYSGWYVGFCKGPRKGPKTRENQDVFHMKRYPK 183
 Qy 183 PELOPKPKFVTVKRSRRPRTPH 207

PRELIMINARY; PRT; 200 AA.

AC P79925; PRELIMINARY; PRT; 200 AA.

DR HSSP; P31371; 1682.

DR InterPro; IPR02209; HB/F_growthfact.

DT 01-MAY-1997 (TREMBrel. 03; last sequence update)

DR DR

DT 01-MAY-1997 (TREMBrel. 03; last sequence update)

DR DR

DE Fibroblast growth factor 8 (fragment).

DR DR

DR SMART; SM00442; FGF; 1.

DR NON_TER 182 182 AA; 20702 MW; 1EF82473824A8D0C CRC64;

DR FT 1.

DR SQ

SEQUENCE FROM N.A.

RP 1.

RX MEDLINE:98104348; PubMed-9441681;

RA Christen B.; Slack J.M.W.;

RT "fgf-8 Is Associated with Anteroposterior Patterning and Limb Regeneration in *Xenopus*";

RL Dev. Biol. 192:455-466(1997).

EMBL: Y10312; CAA13651; -.

HSSP; P31371; 1682.

DR InterPro; IPR002209; HB/F_growthfact.

DR InterPro; IPR002348; HB/F_growthfact.

DR Pfam; PF00167; FGF; 1.

DR PRINTS; PR00362; ILLHBGF.

DR PRODOM; PD000831; HB/F_growthfact; 1.

DR SMART; SM00442; FGF; 1.

DR PROSITE; PS00247; HBGF_FGF; UNKNOWN_1.

DR FT NON_TER 200 AA; 23453 MW; AB3C6B51C5ED5C7A CRC64;

DR SQ

SEQUENCE 200 AA; 23453 MW; AB3C6B51C5ED5C7A CRC64;

Query Match 50.7%; Score 556.5; DB 13; Length 200; Best local Similarity 53.8%; Pred. No. 4.3e-43; Indels 17; Gaps 4; Matches 106; Conservative 34; Mismatches 40; Gaps 4;

QY 11 LCL:CHFLFLCFOVQVLAENVNDPRIHVNQTRDVSRRQKQLYQYSRTSGKHHVOL- 69

Db 11 LLIHLFLVLCIQLQAO-----HVREQLSYNDQLSRRLIRYQLYQYSRTSGKHHVOL- 58

QY 70 GRRISAREDGGDIYAQQLVETDFTGSQVRIGKETEFLCMNKKGLVKGPGTSKECVF 129

Db 59 NKKINAMADEGDPHAKLIVETDFTGSQVRIGKETEFLCMNKKGLVKGPGTSKECVF 118

QY 130 IEKVLENNNTAAMSAKIISGWYVQFTKKCRPRKGPKTRNQDVHFMKRYPKQO-PELQK 187

Db 119 SETVLENNNTAQLQVKGFWMAFTRQRGPRGSKTRQHOREVHFMKRLPKGSHTEPHK 178

QY 188 PEKYYT- VTKRSRR 202

Db 179 RFFFINYPFNRSRSKRTR 195

RESULT 8

PRELIMINARY; PRT; 182 AA.

AC Q9P778; PRELIMINARY; PRT; 182 AA.

DR HSSP; P31371; 1682.

DR InterPro; IPR02209; HB/F_growthfact.

DT 01-MAY-2000 (TREMBrel. 13; Last sequence update)

DR DR

DT 01-MAY-2000 (TREMBrel. 13; Last sequence update)

DR DR

DE TREMBrel. 21; Last annotation update)

DR DR

DR SMART; SM00442; FGF; 1.

DR PRODOM; PD000831; HB/F_growthfact; 1.

DR PROSITE; PS00247; HBGF_FGF; UNKNOWN_1.

DR FT NON_TER 181 181 AA; 20920 MW; 8FF40A6764C8663DC CRC64;

DR SQ

SEQUENCE FROM N.A.

RP 1.

RX MEDLINE:98104348; PubMed-9441681;

RA Shigetani Y., Sugahara F., Kawakami Y., Murakami Y., Hirano S., Kuratani S.;

RT "Shape precesses structure: an exaptation for the vertebrate jaw evolution";

RT Submitted (SPP-2001) to the EMBL/GenBank/DDBJ databases.

RL DR

DR EMBL; AB07692; BAB68397.1; -.

DR InterPro; IPR002209; HB/F_growthfact.

DR Pfam; PF00167; FGF; 1.

DR PRODOM; PD000831; HB/F_growthfact; 1.

DR PROSITE; PS00247; HBGF_FGF; UNKNOWN_1.

DR FT NON_TER 181 181 AA; 20920 MW; 8FF40A6764C8663DC CRC64;

DR SQ

SEQUENCE FROM N.A.

RP 1.

RX MEDLINE:98104348; PubMed-9441681;

RA Christen B.; Slack J.M.W.;

RT "Graded interference with FGF-signalling uncovers its dorso-ventral asymmetry at the mid-hindbrain boundary";

RT Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.

RL EMBL; AB243210; CAB64349.1; -.

